



NAME: Rehabilitation chair 

DATE: May 15, 2026 12:28 AM


DESCRIPTION OF TECHNOLOGY
 The rehabilitation chair is a racing-style chair developed for stroke patients. RevSim and Referox aim to build this system by integrating VR elements, therapeutic games, and simulations of daily activities. The goal is to support patients in practicing controlled movements in a motivating and engaging way.
 ...


HUMAN VALUES 


- 1- Implement clear safety protocols to prevent physical overexertion and VR-related discomfort
- 2-Introduce adaptive exercise programs that adjust automatically to the patients ability and fatigue level.


TRANSPARENCY 

- Add visible or verbal cues when automated adjustments occur in VR sessions
- Create a feedback channel for users and therapists to report unclear or unexpected system behavior


IMPACT ON SOCIETY 

STAKEHOLDERS 


SUSTAINABILITY 

HATEFUL AND CRIMINAL ACTORS 


DATA 

FUTURE 

- Ensure affordability and accessibility for all patient groups
- Build transparent data and privacy policies for future connected versions
- Involve medical experts and rehabilitation centers in long-term planning
- Explore scalability to include Parkinsons and other neurological conditions responsibly

PRIVACY 

- Define early whether personal data will be collected and why
- Integrate privacy impact assessment in the design process
- Apply GDPR compliance as a baseline requirement for all data features
- Provide users and therapists with full control over data access and deletion

INCLUSIVITY 

- Involve stroke patients with different severity levels (mild, moderate, and severe) in the next testing phase
- Design adjustable components such as seat height, arm support, and interface position to fit different physical abilities
- Simplify the VR interface with clear visuals and optional multilingual support

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HUMAN VALUES 


Now that you have thought hard about the impact of your technology on human values, what improvements...

If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?...

TRANSPARENCY 


Now that you have thought hard about the transparency of this technology, what improvements would you like t...

If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?...

IMPACT ON SOCIETY 


Now that you have thought hard about the impact of this technology on society (by filling out the questions...

If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?...

STAKEHOLDERS 


Now that you have thought hard about all stakeholders, what improvements would you like to make? List them...

If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?...

SUSTAINABILITY 


Now that you have thought hard about the sustainability of this technology, what improvements would you like t...

If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

HATEFUL AND CRIMINAL ACTORS 


Now that you have thought hard about how bad actors can impact this technology, what improvements would...

If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?...

DATA 


Now that you have thought hard about the impact of data on this technology, what improvements would you...

If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?...

FUTURE 

Impact Improvement: Now that you have thought hard about the future impact of the technology, what...

If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use?
 ...

PRIVACY 

Now that you have thought hard about privacy and data protection, what improvements would you like to make?...

If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

INCLUSIVITY 

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to...

If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In...
 use?

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